# Penta

## XL SERIES

USER MANUAL

Electronics Line

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# 1: Introduction

Congratulations on purchasing a Penta XL series security system. You have taken a major step in protecting your home or business. In addition to the explanation you will receive from your installer, we urge you to read this manual. This will help you familiarize yourself with the system, so that you can take advantage of its many advanced features. This booklet should be kept in an accessible location and the system reference guide, located in the rear portion of this manual, should be filled out. If you do not understand any part of this manual, contact your installer.

***Note: Remember that no security system can prevent emergencies. This system is only intended to alert you in case of an emergency and should not take the place of prudent security practices or life and property insurance.***

**Catalog Number:** ZI0292A (7/03) – Version 1.00

CE Hereby, Electronics Line 3000 Ltd. declares that this control panel is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

All data is subject to change without prior notice.

Your security system is made up of a control panel, keypads, and various detection devices and sensors. The metal cabinet contains the control panel and the stand-by battery. There is normally no reason for anyone but the installer to have access to the control panel.

**Keypads**
Keypads are mounted in areas close to the exit/entrance areas of your home or business to allow for convenient arming and disarming. The keypad is used to send commands to the control panel and to display system status.

**Zones**
Your security system comprises several security zones*. A zone can be defined as a protected area in your security system. Each zone can be protected by one or more detection devices such as motion sensors, magnetic contacts, glassbreak detectors shock sensors and fire sensors. When one of these detection devices is activated, it "opens" the zone to which it is connected.

**System Monitoring**
Your security system can be monitored either by a monitoring service or by using the Follow-me feature. When using a monitoring service, the system sends a message to a central station whenever an event occurs within your system. When the Follow-me feature is programmed, the panel contacts you when an event occurs.

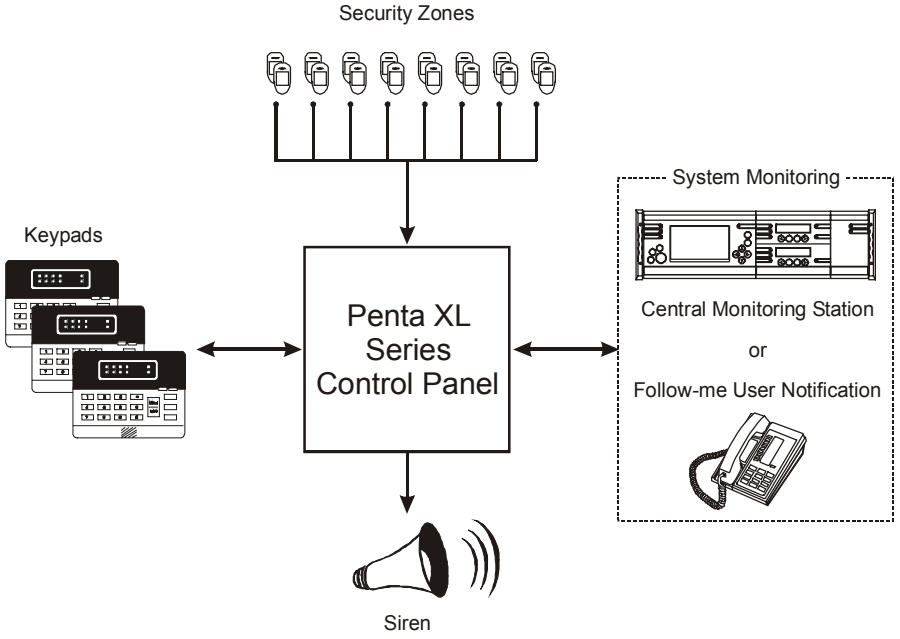


**Figure 2.1: Penta Plus Security System Setup**

* The number of zones differs according to the type of system. The Penta XL includes four security zones wheras the Penta Plus XL includes eight.

# 3: System Operation

## *3.1: Keypad Layout*

The following diagram shows the keypad layout for the Penta Plus XL control panel. The layout of the keypad supported by Penta XL control panels is identical except for the number of zone indicators.

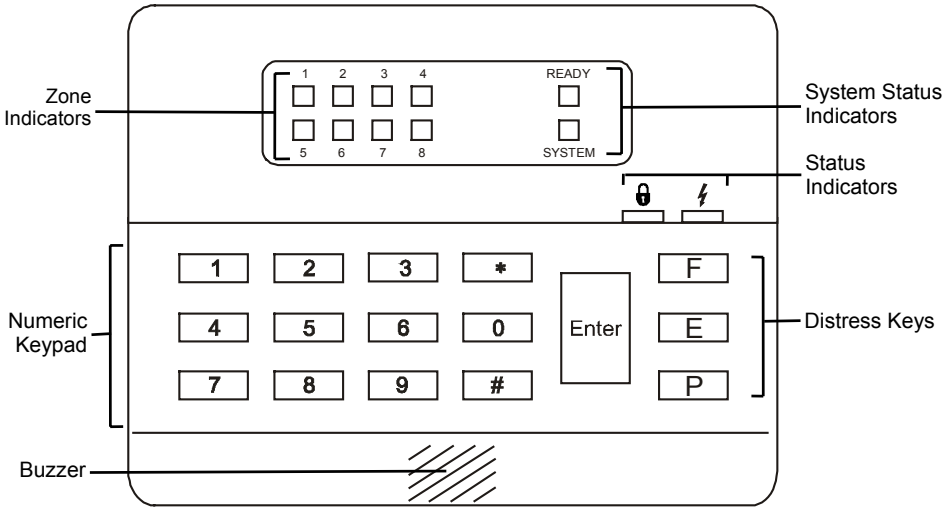


**Figure 3.1: Keypad Layout**

**Display**

**1 - 8:** Indicators 1 - 8 (or 1 - 4 on the Penta XL) are used to display zone status. The corresponding indicator lights up if a zone is open. If a zone is bypassed the corresponding indicator blinks.

**READY:** The Ready indicator lights up to indicate that there are no open zones or tamper conditions and the system is ready to be armed.

**SYSTEM:** The System indicator blinks to indicate that new events have been recorded in one of the logs and when displaying additional system information such as bypass mode.

**ARMED:** The Armed indicator lights to indicate the system is armed or in programming mode and flashes during the exit delay.

**POWER:** The Power indicator lights up when both AC & battery power are OK, blinks when the battery is low & AC power is OK, and goes out in the event of AC failure.

## 3.2: Command Codes

The security system is operated by entering command codes on the numeric keypad. A command is executed by pressing the '✻' button followed by the corresponding command number. In some cases, a valid user code is also required. The following is a summary of the command codes used in system operation.

| | | | |
|---|---|---|---|
| **✻0** | *Quick Arm* | **✻5 + (User Code 1)** | *Program User Codes* |
| **✻1 + (User Code)** | *Bypass Mode* | **✻6** | *Zone Chime* |
| **✻2** | *Emergency/Trouble Event Log* | **✻8 + (User Code)** | *Forced Arming* |
| **✻3** | *Zone Alarm Event Log* | **✻9 + (User Code)** | *Stay Arming* |
| **✻41** | *Bell/LED Test* | **ENTER 1 + (User Code 1)** | *Stop Communications* |
| **✻42 + (User Code 1)** | *Walk Test* | | |

## 3.3: Keypad Tones

The keypad sounds various tones to indicate the following:

- Short Beep – Confirmation of each keystroke
- Half Second Beep – Acknowledgement of a successful command entry
- Low Beep – Rejection of an illegal command entry
- Continuous Beeps – Entry/Exit Delay in progress

## 3.4: User Codes

User codes are the codes that grant you access to various system operations, such as arming and disarming. Each user code is four digits long. Of the four user codes, only User Code 1 has the authorization to program other user codes. The default code for User 1 is '1111'. This default value must be changed immediately to prevent unauthorized access to your system.

To program user codes 1-4:

1. Press ✻, **5**.
2. Enter User Code 1; the Armed and System indicators flash and the zone indicators indicate the programming status of each user code as follows:

   **OFF:** *NOT PROGRAMMED*
   **ON:** *PROGRAMMED*
   **FLASHING:** *CURRENTLY BEING PROGRAMMED*
3. Enter the number of the code to be changed (1-4); the requested zone indicator flashes.
4. Enter the new user code; the indicator stops flashing.

   ***Note: If the new code is identical to an existing user code, an error tone will be sounded and the new code will not be accepted.***

To erase a user code:

1. Press ✻, **5**.
2. Enter User Code 1.
3. Enter the number of the code to be erased (1-4); the requested zone indicator flashes.
4. Enter ✻, ✻, ✻, ✻; the indicator stops flashing and the code is erased.

***Note: Do not erase User Code 1! Erasing this code denies the user the ability to program user codes. If User Code 1 is accidentally erased, contact your installer.***

**Duress Code**
In the event that you are forced to disarm the system, entering the duress code disarms the system and sends a silent alarm to the central station.

To program the duress code:

1. Press ∗, **5**.
2. Enter User Code 1.
3. Press **5**; the Ready indicator flashes.
4. Enter a new duress code or ∗, ∗, ∗, ∗ to erase the existing code.

## *3.5: Arming/Disarming*

The following section explains the various arming and disarming methods.

**Arming**
To arm the system:

1. Check that all zones are closed; the Ready indicator lights up showing that the system is ready to be armed.
2. Enter a valid user code; the keypad beeps until the end of the exit delay.

**Forced Arming**
Forced arming enables you to arm the system even if zones are not secured. Electronics Line recommends waiting until all of the zones are secured and the system can be armed normally.

***Note: If zones are still not secured after the exit delay has ended, an alarm will be generated.***

To force arm the system:

1. Press ∗, **8**.
2. Enter a valid user code; the keypad beeps until the end of the exit delay.

**Quick Arming**
This feature allows you to arm the Penta Plus without entering a valid user code.

To “Quick” arm the system:

1. Check that all zones are closed; the Ready indicator lights up showing that the system is ready to be armed.
2. Press ∗, **0**; the keypad beeps until the end of the exit delay.

**Stay Arming**
This feature arms perimeter zones only, allowing you to stay within the protected area while the system is armed.

To “Stay” arm the system:

1. Check that all zones are closed apart from the interior zones; the Ready indicator lights up showing that the system is ready to be armed.
2. Press ∗, **9**.
3. Enter a valid user code; the keypad beeps until the end of the exit delay.

**Immediate Arming**
The system can be operated without an entry/exit delay. Pressing ∗ during the exit delay or when the system is armed cancels both the exit and entry delay times.

**Disarming**
You can disarm the system by entering a valid user code during the entry delay. If an error is made entering the code, press '#' and enter the code again. When the code is accepted the Armed indicator and the pulsed delay tone are turned off. If the correct code is not entered by the end of the delay time, an alarm will be generated.

**Keyswitch Arming/Disarming**
You can arm and disarm the system using an ON/OFF keyswitch. The keyswitch has two operation modes.

- Latching - closing the keyswitch arms the system, opening disarms the system.
- Momentary - opening and closing the keyswitch either arms or disarms the system.

## *3.6: Zone Bypassing/Unbypassing*

If you bypass a zone, it is ignored by the system and will not generate an alarm when tripped.

To bypass a zone:

1. Press ∗, **1**.
2. Enter a valid user code; the System indicator flashes and the indicators of any currently bypassed zones light up.
3. Enter the number of the zone to be bypassed; the corresponding zone indicator lights up.
4. Press **#** to exit bypass mode; the bypassed zones flash.

To unbypass a zone:

1. Press ∗, **1**.
2. Enter a valid user code; the System indicator flashes and the indicators of any currently bypassed zones light up.
3. Enter the number of the zone to be unbypassed; the corresponding zone indicator turns off.
4. Press **#** to exit bypass mode.

***Note: Disarming the system automatically unbypasses all bypassed zones.***

## *3.7: Distress Keys*

In the case of an emergency, 3 types of alarms can be generated by pressing and holding down the desired distress key for more than 2 seconds. These alarms will send the relevant distress message to the central station. The distress keys are as follows:

F

**FIRE:** Sounds the fire bell, sends the 'Fire' event code to the central station and registers in the Emergency/Trouble event log.

E

**EMERGENCY:** Sends the 'Emergency' event code to the central station sounds the siren (if programmed to do so) and registers in the Emergency/Trouble event log.

P

**POLICE:** Sends the 'Police' event code to the central station, sounds the siren (if programmed to do so) and registers in the Emergency/Trouble event log.

## *3.8: Event Logs*

The event logs record events that the system has undergone since the last arming. If any events have been recorded in either event log, the System indicator flashes until the relevant event log has been viewed. In the event that a trouble condition still exists, the System indicator continues to flash until the condition has been remedied.

**Emergency/Trouble Event Log**
Zone tamper, bell trouble, keypad trouble, keypad tamper or any of the three distress key alarms are registered in the Emergency/Trouble event log. If a trouble event occurs, contact your installer.

To view the Emergency/Trouble event log:

1. Press ✻, **2**; the various trouble conditions are indicated by the zone indicators. The following is a summary of the trouble condition that each indicator displays:

   **1** - *System Trouble* **2** - *Alarm from P key*

   **3** - *Alarm from F key* **4** - *Alarm from E key*

2. Press **#** to exit the event log.

   ***Note: In the event of system trouble, contact your installer.***

**Zone Alarm Event Log**
The Zone Alarm event log displays the zones from which an alarm was generated since the system was last armed.

To view the Zone Alarm event log:

1. Press ✻, 3; an alarm from a specific zone is diplayed by the corresponding zone indicator.
2. Press **#** to exit the event log.

   Both logs are automatically reset when the system is next armed.

## *3.9: Follow-me*

If your system is not monitored by a central station, either the 'Follow-me' or 'Voice message' feature is used to inform you that an alarm has occurred.

When using Follow-me, the system dials the telephone number programmed by the installer and sounds two beeps. After hearing the two beeps, pressing 3, 6, 9 or # on the telephone sounds a number of tones to indicate exactly which type of alarm has occurred. The number of tones indicates the type of alarm generated.

| | | |
|---|---|---|
| **Series of short tones** | = | *Alarm from burglary zone* |
| **1 long tone** | = | *F key alarm or alarm from Fire zone* |
| **2 long tones** | = | *E or P key alarms, zone or keypad tamper* |

After the alarm tones have been sounded, pressing 3, 6, 9 or # on the telephone either causes the panel to hang up or, if additional alarms have occurred, sound another set of alarm tones. ***Note: In the event of system trouble, contact your installer.***

Alternatively, when using the Voice message feature, a recorded message announces that an alarm has occurred. Press 3, 6, 9 or # on the telephone to acknowledge that you have received the message.

## *3.10: Additional Operations*

**Bell Cancel**
To cancel the bell:

- Enter a valid user code or turn the keyswitch as if disarming the system.

**Stop Communications**
To stop the panel from sending a message to the central station:

1. Press ENTER, 1.
2. Enter User Code 1; all communications stop immediately and all unsent messages are cancelled.

**Zone Chime On/Off**
The keypad can be set to chime when perimeter zones are opened or closed when the system is disarmed.

To toggle the zone chime On or Off:

- Press ✻, 6 while the system is disarmed.

  The keypad will sound a continuous tone to indicate "Zone Chime ON" or a series of short beeps to indicate " Zone Chime OFF".

**Keypad Backlight On/Off**
To toggle the backlight of any keypad On or Off:

- Press and hold down # for more than 2 seconds.

## *3.11: Testing the System*

Electronics Line recommends that you test your system at least once a week.

**Walk Test**
Walk test mode enables you to test peripheral detection devices, such as PIR detectors and magnetic door contacts. In this mode, when a zone is opened , the keypad chimes.

To perform a walk test:

1. Press ✻, **4**, **2**.
2. Enter User Code 1; the Ready, System, Power and Armed indicators flash to indicate that the system is in Walk Test mode. To end Walk Test mode, press **#**. *This mode is automatically terminated after 4 minutes.*

**Bell/LED Test**
To perform a bell/LED test:

- Press ✻, 4; the siren is sounded and all indicators on the keypad are lit for a period of two seconds.

# Reference Information

*To be filled out by the installer:*

Installer: _____ Tel: _____

Address: _____ Date Installed: _____

Central Station: _____ Tel: _____

Zone 1: _____ Silent ❑ Audible ❑

Zone 2: _____ Silent ❑ Audible ❑

Zone 3: _____ Silent ❑ Audible ❑

Zone 4: _____ Silent ❑ Audible ❑

Zone 5*: _____ Silent ❑ Audible ❑

Zone 6*: _____ Silent ❑ Audible ❑

Zone 7*: _____ Silent ❑ Audible ❑

Zone 8*: _____ Silent ❑ Audible ❑

P Key: Silent ❑ Audible ❑ E Key: Silent ❑ Audible ❑

Exit Delay: ____ secs Entry Delay: ____ secs Bell Cutoff: ____ secs

***NOTES***

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* Relevant only to Penta Plus XL systems.